

# Notice of Allowability

Application No.

09/779,633

Examiner

Suhan Ni

Applicant(s)

KIM, NAK HYUN

Art Unit

2643

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to claims filed on 2/19/01.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☒ The drawings filed on 19 February 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

Suhan Ni  
Primary Examiner  
PRIMARY EXAMINER

**DETAILED ACTION**

1. This communication is responsive to the application filed 02/09/2001.

***Allowable Subject Matter***

2. Claims 1-10 are allowed.

The present invention is directed to a coupling structure of a speaker. None of the prior art teaches that at least coupling protrusions are inserted into a cylindrical coupling body of a coupling member and is rotated by a selected angle and is latched on horizontal and vertical coupling grooves of the cylindrical coupling body such that the coupling member is integrally coupled to the signal converting apparatus, or a frame includes at least two coupling protrusions vertically formed at the outer circumference of the frame such that the coupling protrusions are directed toward an upper portion or a lower portion of the signal converting apparatus, the coupling protrusion having a latching jaw formed at one end of the coupling protrusion; and the coupling protrusion is inserted into the coupling hole and is rotated by a selected angle to latch the latching jaw on the coupling member such that the coupling member is integrally coupled to the signal converting apparatus as claimed.

***Conclusion***

3. Any comments considered necessary by applicant must be submitted no later than the payment on the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".
4. Any response to this final action should be mailed to:

Art Unit: 2643

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Or faxed to:

**(703) 308-9051**, (for formal communications; please mark "EXPEDITED  
PROCEDURE"), or  
**(703) 305-9508**, (for informal or draft communications, please label  
"PROPOSED" or "DRAFT")


Hand-delivered responses should be brought to:

**Receptionist, Sixth Floor,  
Crystal Park II,  
2121 Crystal Drive,  
Arlington, Virginia 22202**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Suhan Ni** whose telephone number is **(703)-308-9322**, and the number for fax machine is **(703)-305-9508**. The examiner can normally be reached on Monday through Thursday from 9:00 am to 7:30 pm. If it is necessary, the examiner's supervisor, **Curtis Kuntz**, can be reached at **(703) 305-4708**.
6. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is **(703) 305-3900**.

SN

December 05, 2004

  
**SUHAN NI  
PRIMARY EXAMINER**